

The Instron® 3300 Series addresses the needs of standardized and routine testing, providing the user Instron quality at the most affordable price. The 3360 dual column, tabletop, testing systems are suited for tension, compression, peel, flex, and other applications with load requirements ranging from 5 to 50 kN. They are typically used for quality control and production testing. Four models are available in load capacities of 5, 10, 30, and 50 kN.

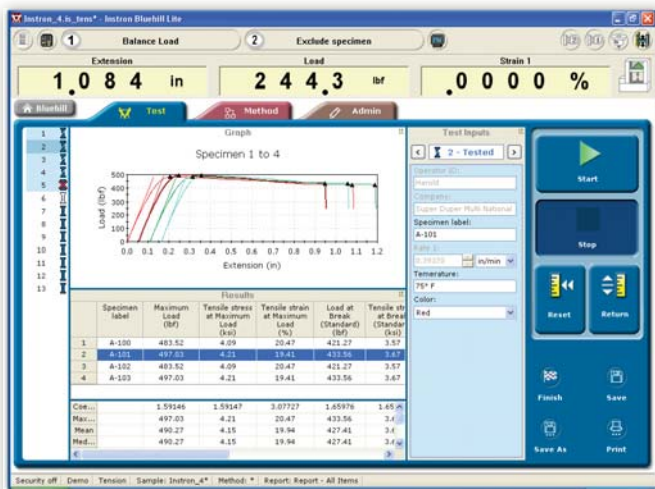
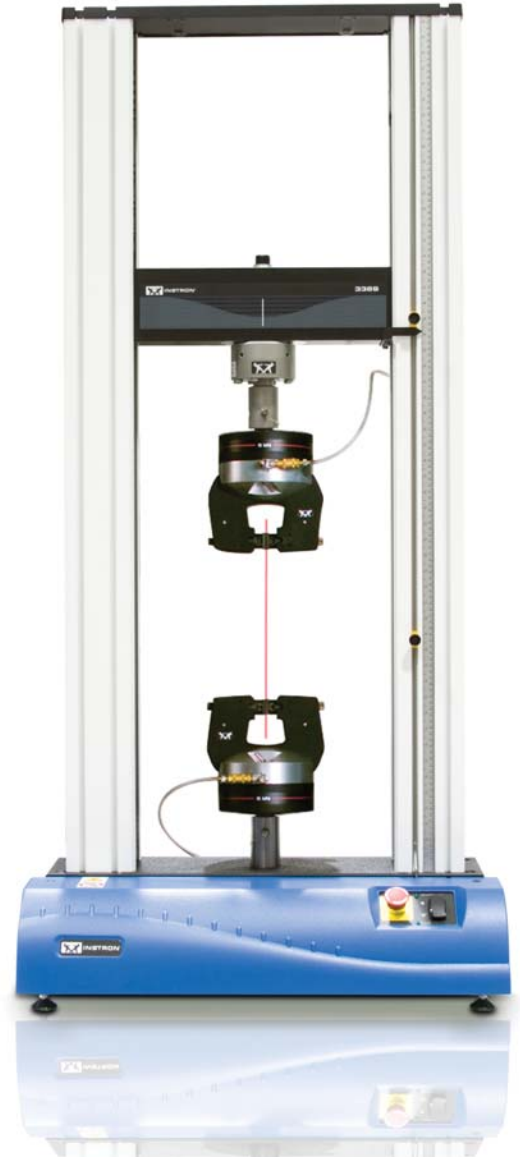
## Instron Quality at an Affordable Price

Our attention to every element of the system is what separates Instron from other testing equipment suppliers and allows us to confidently report the accuracy, repeatability, and reproducibility of our results.

- Automatic recognition and calibration of load and strain transducers and verification performed by factory-trained field service engineers
- Preloaded ballscrews, precision guidance columns, and a symmetrical drive system improve frame stiffness and alignment
- Extensive range of accessories to meet test requirements in almost any application or industry: plastics, metals, biomedical, composites, elastomers, components, automotive, aerospace, textiles, and more.
- Self-diagnostics expedite troubleshooting and minimize downtime
- All testing systems include choice of load cell
- Full one-year warranty on parts and labor

## Start Testing in Two Steps: Open a Method, Press Start

With multiple operators, varying skill levels, and continuous training needs, you need a user interface that is simple to learn. Instron Bluehill® Lite Software is designed to meet the demands of everyday applications and testing standards used in a wide variety of industries. Bluehill Lite provides all the capabilities you need to handle basic tensile, compression, flexure, peel, tear, friction, and simple cyclic test requirements quickly and efficiently. Tests are started with just two steps, and test control, data acquisition, plotting, calculations, and reporting are performed automatically. To further assist the operator, the Prompted Method guides operators through repetitive test procedures with step-by-step instructions.



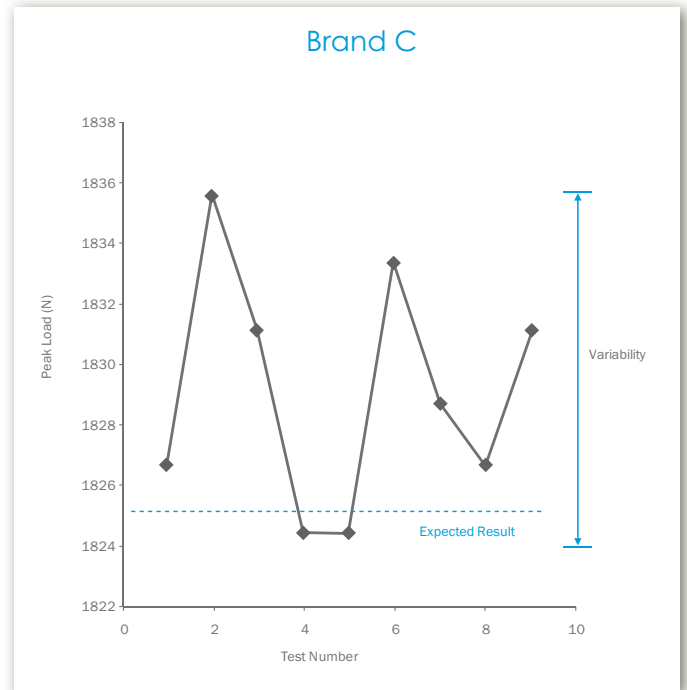
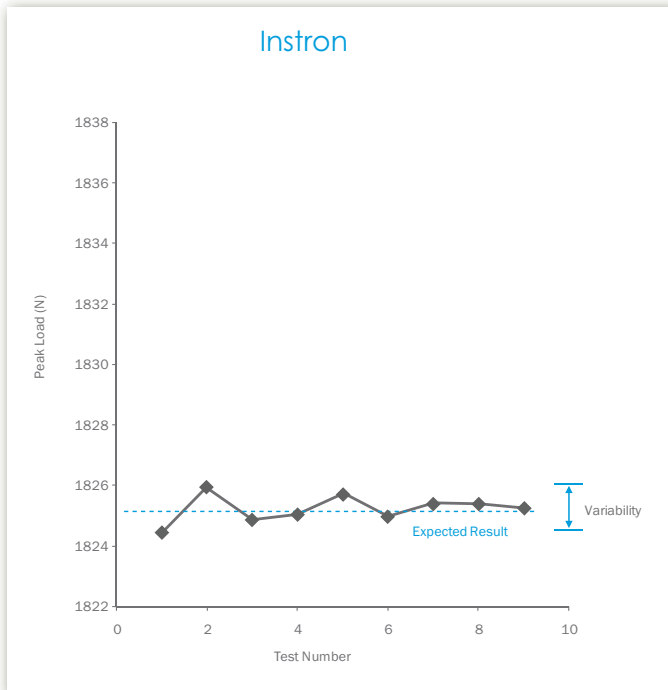
Typical Bluehill® Lite test screen

## Confidence in Your Results

Head-to-head comparison reveals the Instron® difference. Notice the difference in variability of measured peak load between the two machines - this is the kind of measurable difference that sets Instron apart.

### Case Study

- Same operator
- Same specimen: Coil spring
- Same test conditions: Compression test
- Different machines: Instron vs. Brand C



\*Reference paper available upon request or you can visit the literature section of [www.instron.com](http://www.instron.com)

## Why Does Better Repeatability and Reproducibility Matter to You?

- More parts pass your acceptance criteria, less parts rejected
- Less time spent in trouble-shooting data problems
- Long-term cost savings
- Strengthening of your testing lab's reputation
- Increased ability to meet delivery expectations
- More parts ship, increasing your bottom line

## Specifications

		3365	3366	3367	3369
Load Capacity	kN	5	10	30	50
	kgf	500	1,000	3,000	5,000
	lbf	1,125	2,250	6,750	11,250
Maximum Speed	mm/min	1,000	500	500	500
	in/min	40	20	20	20
Minimum Speed	mm/min	0.01	0.005	0.005	0.005
	in/min	0.0004	0.0002	0.0002	0.0002
Maximum Force at Full Speed	kN	5	10	15	25
	lb	1,125	2,250	3,375	5,620
Maximum Speed at Full Load	mm/min	1,000	500	250	250
	in/min	40	20	10	10
Return Speed	mm/min	1,200	600	600	500
	in/min	48	24	24	20
Total Crosshead Travel*	mm	1,122	1,122	1,122	1,122
	in	44.2	44.2	44.2	44.2
Total Vertical Test Space	mm	1,193	1,193	1,193	1,193
	in	47	47	47	47
Space Between Columns	mm	420	420	420	420
	in	16.5	16.5	16.5	16.5
Height	mm	1,582	1,582	1,582	1,582
	in	62.3	62.3	62.3	62.3
Width	mm	756	756	756	756
	in	29.8	29.8	29.8	29.8
Depth	mm	707	707	707	707
	in	27.8	27.8	27.8	27.8
Weight with Typical Load Cell	kg	110	110	121	141
	lb	242	242	266	312
Maximum Power Requirement	VA	300	300	600	700

### Notes:

1. All systems conform to all relevant European standards and carry a CE mark.
2. Total vertical test space on all systems is the distance from the top surface of the base platen to the bottom surface of the moving crosshead, excluding load cell grips and fixtures.

The above specifications were developed in accordance with Instron's standard procedures and are subject to change without notice.

### Two Color Options

- Charcoal Gray
- Cobalt Blue

### Common Specifications

#### Load Measurement Accuracy

±0.5% of reading down to 1/100 of load cell capacity. Meets or exceeds ASTM E4, BS 1610, DIN 51221, ISO 7500/1, EN 10002-2, JIS B7721, JIS B7733, and AFNOR A03-501 standards.

#### Strain Measurement Accuracy:

±0.5% of reading down to 1/50 of full scale with ASTM E83 class B or ISO 9513 class 0.5 extensometers. Meets or exceeds ASTM E83, BS 3846, ISO 9513, and EN 10002-4 standards.

#### Crosshead Speed Accuracy (Zero or constant load):

±0.2% of set speed

#### Power Supply

47 to 63 Hz. Must be free of spikes, surges, or sags exceeding 10% of the nominal voltage.

#### Operating Temperature:

+10 to +38 °C (+50 to +100 °F)

#### Storage Temperature:

-40 to +66 °C (-40 to +150 °F)

#### Humidity Range:

+10 to +90%, non-condensing

#### Atmosphere:

Designed for use under normal laboratory conditions. Protective measures may be required if excessive dust, corrosive fumes, electromagnetic fields, or hazardous conditions are encountered.

[www.instron.com](http://www.instron.com)



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